

Call Nr: AF 1138798

Plastics in Electrotechnical Industries (Cont.)

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AVAILABLE: Library of Congress

Card 7/7

VARDENBURG, A.K. 110-12-1/19  
AUTHOR: Vardenburg, A.K., Candidate of Technical Sciences.

TITLE: Methacrylate Electrical Insulating Compounds MBK  
(Metakrilovyye elektroizolyatsionnyye kompaundy MBK)

PERIODICAL: Vestnik Elektropromyshlennosti, 1957, Vol.28, no.12,  
pp. 1 - 5 (USSR).

ABSTRACT: Methacrylate resins are well-established industrial materials. Those consisting of linear polymers are typical thermoplastics but can be modified by the introduction of cross-linkages between linear molecules. This can be accomplished by co-polymerisation of methyl- and allyl-methacrylates, butyl methacrylates with dimethacrylic ester of ethylene glycol and tri-ethylene glycol. MBK compounds are cross-linked copolymers of methacrylate esters. The polymers can be stored over a year if they are shielded from light and the temperature is not above 25 °C. After polymerisation, the hardest compound is MBK-1; the softest is MBK-3, which is rubber-like, and compound MBK-2 is intermediate between the others. All are chemically inert and water-resistant. They can be used for the insulation of submerged motors, as illustrated in Fig.1. The water absorption and hygroscopic characteristics of polymers MBK are shown in Figs. 2 and 3. Exposure to Card1/3 boiling water for more than 260 hours causes no external change

Methacrylate Electrical Insulating Compounds MBK.

110-12-1/19

to specimens; their elasticity is maintained and the loss in weight is less than 1%. The MBK compounds soften somewhat on heating but do not melt and even at 200 °C maintain their shape. Compound MBK-2 has the best heat-resistance; specimens were heated to 150 °C for 750 hours and every 12 hours the hot specimens were dropped into cold water. After this test the specimens remained elastic and could be bent through 180° without forming surface cracks. MBK compounds are polymerised in 10-18 hours by heating at 70 - 75 °C or, if suitable accelerators are used, in 6 - 12 hours at room temperature. The compounds tend to adhere firmly to the walls of moulds which should, therefore, be specially lubricated. Windings can be insulated with MBK compounds by dipping, as an alternative to the moulding process. The main properties of the polymers are given in Tables 1 and 2. One table gives the main electrical and mechanical properties. The other gives the mechanical properties before and after ageing for 1 000 hours at 125 °C. Both properties were somewhat improved by the ageing treatment. Figs 2 - 6 plot the electrical properties of the materials as functions of temperature. The insulating properties of the compound depend on the polymerisation conditions as shown graphically in Fig.7. The

Card2/3

Methacrylate Electrical Insulating Compounds MBK

110-12-1/19

electrical properties are improved by increasing the polymerisation temperature and prolonging the time of its application. Mineral filler may be used to improve the thermal conductivity; for example, the introduction of powdered quartz in the ratio of 1:1.5 increases the thermal conductivity of cast insulation by a factor of 4 or 5.

There are 7 figures, 2 tables and 3 Slavic references.

ASSOCIATION: Scientific Research Institute of the Electro-technical Industry. (NII EP)

SUBMITTED: April 10, 1957.

AVAILABLE: Library of Congress

Card 3/3

WARDENBURG, A.K., kand.tekhn.nauk; VINOGRADOVA, V.N., inzh.;  
PETUKHOVA, N.A., inzh.; FILAGRIYEVSKAYA, T.D., inzh.

Problems concerning the automation and mechanization of saturation  
and drying processes of the windings of electric machinery.  
Vest. elektroprom. 31 no.8:4-9 Ag '60. (MIRA 15:5)  
(Electric machinery---Windings)  
(Electric machinery---Drying)

35269  
S/196/62/000/006/002/018  
E194/E154

AUTHOR: Vardenburg, A.K.  
TITLE: New thermo-setting impregnating compounds  
PERIODICAL: Referativnyy zhurnal, Elektrotekhnika i energetika, no.6, 1962, 4-5, abstract 6 B22. (In Symposium 'Izolyatsiya elektr. mashin, 6. M., 1961, 157-164) (Insulation of Electrical Machines).  
TEXT: The new polyester impregnants type KП (KP) are solventless and, moreover, polymerise rapidly at high temperatures (30 minutes at 125 °C, or 5-10 minutes at 150 °C). With efficient methods of heating (induction heating or short circuit currents) the drying time of impregnated windings was reduced to a few hours or even minutes, which is of considerable importance in the application of high speed automatic conveyor lines to electrical equipment manufacture. Being free from organic solvents the grade KP compounds do not damage the enamel on previously bent wires grades ПЭЛ (PEL), ПЭТВ (PETV), ПЭТВЛ (PETVL) and ПЭВ -2 (PEV-2). The characteristics of the  
Card 1/3

New thermo-setting impregnating ... S/196/62/000/006/002/018  
E194/E154

compounds are given in the table. Grades КП -10 (KP-10), КП -18 (KP-18) and КП -23 (KP-23) form hard strong polymers which do not melt or dissolve. A more viscous (viscosity on viscometer ВЗ -4 (VZ-4) up to about 7 minutes at 20 °C) compound gives an elastic polymer. Compounds KP-10, KP-18 and KP-22 to which accelerator has been added can be stored at room temperature for more than a month without appreciable increase in viscosity, and compound KP-23 for about two weeks. All the KP compounds are prepared on site by simple mixing of the industrially available materials. Test results are given for viscosity and rate of polymerization and also the characteristics of various compounds as a function of the length of time of their immersion in water, filler content, drying conditions, thermal ageing, etc. In the majority of cases compounds type KP of various grades have better and more stable electrical characteristics than lacquer grade 447, particularly when humid ( $\rho = 15^{10-10^{13}}$  ohm.cm;  $\epsilon = 3.2-6.1$ ;  $\tan \delta = 0.02-0.08$ ;  $E_{breakdown} = 24-40$  kV/mm). Industrial experience confirmed the advantages of using compounds grades KP, which particularly shortened the impregnation and

Card 2/3

New thermo-setting impregnating ...

S/196/62/000/006/002/018  
E194/E154

drying time of electrical windings.

ASSOCIATION: VNII el-mekhaniki.

(see also Ref.Zh.Elek. 1961, abstract 6 B71).

Table

| Characteristic                                    | Solventless compounds |       |       | Varnish<br>ФЛ-98<br>(FL-98)<br>(50%) |
|---|-----------------------|-------|-------|--------------------------------------|
|   | KP-23                 | KP-10 | KP-18 |                                      |
| Viscosity at 20°C (using funnel VZ-4), seconds    | 13-16                 | 30-40 | 40-60 | 40-60                                |
| Drying time:                                      |                       |       |       |                                      |
| at 105°C on paper, mins.                          | 30                    | 15    | 15    | 240                                  |
| at 125°C on paper, mins.                          | 15                    | 10    | 10    | 150                                  |
| at 125°C, a layer 10 mm thick (20 g batch), mins. | 30                    | 20    | 20    | 720-960                              |

Card 3/3

[Abstractor's note: Complete translation.]

AYZENBERG, B.L., inzh.; VARDENBURG, A.K., kand.tekhn.nauk; GOLOVACHEV, A.S.,  
kand.tekhn.nauk; CHERNYAYEV, V.I., inzh.

Electric motors with increased vibration and shock resistance.  
Vest.elektroprom. 33 no.2:55-58 F '62. (MIRA 15:2)  
(Electric motors)

VARDENBURG, A.K., kand. tekhn. nauk; AYZENBERG, B.L., inzh.; KAPLUNOV,  
I.Ye., inzh.

Styrene compounds. Vest. elektroprom. 33 no.12:14-16 D '62.  
(MIRA 15:12)

(Styrene)

SOV/6442

PHASE I BOOK EXPLOITATION

Vardenburg, Arnol'd Kurtovich

Plasticheskiye massy v elektrotekhnicheskoy promyshlennosti (Plastics in the Electrotechnical Industry) 3d ed., rev. and enl. Moscow, Gosenergoizdat, 1963. 284 p. (Series: Polimery v elektroizolyatsionnoy tekhnike, vyp. 5) 8000 copies printed.

Editorial Board of the series: Chief Ed.: K.A. Andrianov, K.I. Zabyrina, V.I. Kalitvyanskiy, Yu.V. Koritskiy, A.V. Khval'kovskiy and L.A. Epshteyn; Ed.: S.V. Shishkin, Candidate of Technical Sciences; Tech. Ed.: N.I. Borunov.

**PURPOSE:** This book is intended for designers and technicians of plants manufacturing electrical equipment. It can also be used by students of electrical engineering.

**COVERAGE:** The Book discusses properties and performance of plastics, the design and manufacture of products made from plastics, and the

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# Plastics in the Electrotechnical Industry

80V/6442

causes of rejects. Two chapters deal with molds and compression molding for the preparation of high-quality insulating products. Special attention is given to plastics used in electrical engineering. This edition includes up-to-date information on modern plastics and resins. Information on obsolete and less important plastics was excluded. Discussion of laminates was also excluded because they are treated separately in other publications. The author thanks S.V. Shishkin for reviewing the manuscript. There are 274 Soviet and non-Soviet references.

## TABLE OF CONTENTS [Abridged]:

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| Preface to the Third Edition                               | 3  |
| Ch. I. General Information                                 | 7  |
| Ch. II. Fabrication of Compression-Molded Plastic Products | 14 |

Card 2/4

WARDENBURG, A.K., kand. tekhn. nauk; FILAGRIYEVSKAYA, T.S., inzh.;  
NASIKOVSKAYA, Yu.I., inzh.

Water emulsion lacquer PFL-8V. Elektrotehnika 36 no.8:  
9-11 Ag '64. (MIRA 17:9)

TITLE: [REDACTED] [REDACTED] [REDACTED] [REDACTED] [REDACTED] [REDACTED] [REDACTED] [REDACTED] [REDACTED] [REDACTED]

SOURCE: [REDACTED] [REDACTED] [REDACTED] [REDACTED] [REDACTED] [REDACTED] [REDACTED] [REDACTED] [REDACTED] [REDACTED]

[REDACTED] [REDACTED] [REDACTED] [REDACTED] [REDACTED] [REDACTED] [REDACTED] [REDACTED] [REDACTED] [REDACTED]

SUBMITTED 00

ENCL

SUB CODE FL

NO REF SOV

Card 2/2

I. 10056-67 EMT(m)/EMP(j) IJP(c) RA  
ACC NR: AP6022910 SOURCE CODE: UR/0292/66/000/004/0053/0055

AUTHOR: Vardenburg, A. K. (Candidate of technical sciences);  
Surnina, L. V. (Engineer); Goncharova, L. N. (Engineer)

ORG: none

TITLE: Elastic epoxy compounds

SOURCE: Elektrotehnika, no. 4, 1966, 53-55

TOPIC TAGS: epoxy plastic, *synthetic material*

ABSTRACT: A version of the epoxy compound is considered in which type AG-2 and SG-2 linear-structure polyester oligomers are used as curing and modifying agents. A greater distance between two carboxyl groups and a relative mobility of intermediate links in the molecules of these agents are responsible for the high elasticity of the ultimate polymers. These characteristics of ED-6 epoxy resin with AG-2 curing agent (no extender) are reported:

Card 1/2

UDC: 621.315.616.97.001.2

L 10056-67

ACC NR: AP6022910

After submersion  
in water for  
24 hrs      30 days

|  |                                   |                  |                  |
|--|-----------------------------------|------------------|------------------|
| Tensile strength, kg/cm <sup>2</sup>     | 200-250                           |                  |                  |
| Relative elongation, %                   | 120-160                           |                  |                  |
| Volume resistivity, ohm·cm, at 20C       | 10 <sup>15</sup>                  | 10 <sup>14</sup> | 10 <sup>11</sup> |
| at 100C                                  | 10 <sup>9</sup> -10 <sup>10</sup> |                  |                  |
| Loss, tg δ, 1000 cps, at 20C             | 0.006-0.010                       | 0.02-0.03        | 0.07-0.08        |
| at 100C                                  | 0.06-0.1                          |                  |                  |
| Dielectric constant, ε, 1000 cps, at 20C | 4-5                               | 5.0-5.5          | 7.1-7.3          |
| at 100C                                  | 6.7-7.0                           |                  |                  |
| Electric strength, kv/mm                 | 35-40                             |                  | 15               |

"Cand. Chem. Sc. N. F. Budyak, Engineer A. I. Galushko, and Engineer V. P. Kharitonov took part in the work." Orig. art. has: 4 figures and 2 tables.

SUB CODE: 11 / SUBM DATE: none

Card 2/2

ANIKINA, M.; VARDENGA, G.; ZHURAVLEVA, M.; KOTLYAREVSKIY, D.; NYAGU, D.;  
OKONOV, E.; TAKHTAMYSHEV, G.; U TSZUN-FAN' [Wu TSung-fan];  
CHKHAIDZE, L.

Determining the relative probabilities of  $K_2^0 \rightarrow 3\pi$  dec.

IAd. fiz. 2 no.5:853-858 N '65.

(MIRA 18:12)

1. Ob'yedinennyy institut yadernykh issledovaniy.

S/048/62/026/005/019/022  
B108/B102

3.24/0

AUTHORS: Andronikashvili, E. L., Bibilashvili, M. F., Vardenga, G. D.,  
Gvaladze, T. V., Dzhavrishvili, A. K., Kazarov, R. Ye.  
Kuridze, R. V., and Khaldeyeva, I. V.

TITLE: Angular distribution of the penetrating component of exten-  
sive atmospheric showers at a depth of 200 m water  
equivalent

PERIODICAL: Akademiya nauk SSSR. Izvestiya. Seriya fizicheskaya, v. 26,  
no. 5, 1962, 682-684

TEXT: The angular distribution of the axes of extensive atmospheric  
showers was determined by various methods, mainly using a cloud chamber.  
The direction of the axis was established from the electron-photon  
component. At a distance of  $0.5H$  or less from the shower axis ( $H$  = depth  
at which the detector is placed under the surface), the particle  
distribution is given by  $I_{\theta} = I_0 \cos^{8.3\theta}$ , as has been established by various  
authors. The present authors' results agree with this law. There are  
2 figures.  
Card 1/1

ANDRONIKASHVILI, E. L., BIBILASHVILI, M. F., VARDENGA, G. L., GVALADZE, T. V.,  
JAVRISHVILI, A. K., KAZAROV, R. E., KURIDZE, R. V. and KHALDEIVA, I. I.

"Angular Distribution of the Penetrating Component of Extensive Air Showers  
at the Depth of 200 m.w.e."

Report presented at the International Conference on Cosmic Rays and  
Earth Storm, 4-15 Sep 61, Kyoto, Japan.

Physical Institute, Academy of Sciences, Georgia, SSR

L 13551-66

EWI(m)/T/EWA(m)-2

ACC NR:

AP6001154

SOURCE CODE: UR/0367/65/002/003/0471/0484

AUTHOR: Anikina, M.; Vardenga, G.; Zhuravleva, M.; Kotlyarevskiy, D.; Lukstin'sh, Yu.; Mestvirishvili, A.; Nyagu, D.; Okonov, E.; Wu, Tsung-fang; Chkhaidze, L.; Takhtamyshev, G.

ORG: Joint Institute of Nuclear Research (Ob'yedinennyy Institut yadernykh issledovaniy); Physics Institute, Academy of Sciences, Gruzinskaya SSR (Institut fiziki Akademii nauk Gruzinskoy SSR)

TITLE: Investigation of  $K_2^0$ -meson decays

19.44.55

149  
125  
B

SOURCE: Yadernaya fizika, v. 2, no. 3, 1965, 471-484

TOPIC TAGS: K meson, meson interaction, lepton, radioactive decay, selection rule, pion

ABSTRACT: The authors presented at the 12th International Conference on High Energy Physics, Dubna, 1964, preliminary results of analyses of 683  $K_2^0$ -mesons detected in a Wilson chamber. In the present article, the authors present a more complete analysis using a larger statistical material (1082  $K_2^0$ -mesons). The following probabilities were obtained for leptonic decays of the  $K_2^0$ -meson and for the decay  $K_2^0 \rightarrow \pi^+ + \pi^- + \pi^0$  (with respect to all  $K_2^0$ -decays into charged particles):  $\Gamma_2^+ (+ - 0) / \Gamma_2$

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ACC NR: AP6001154

(charged) =  $0.194 \pm 0.024$  and  $\sqrt{2}(K_{e3}) + \sqrt{2}(K_{\mu 3}) / \sqrt{2}(\text{charged}) = 0.806 \pm 0.090$ . The data on leptonic decays exclude the S-type interaction and are in good agreement with the V-type interaction and the predictions based on the  $|\Delta I| = 1/2$  selection rule. The energy spectrum of  $\pi^0$ -mesons in the  $K^0 \rightarrow \pi^- + \pi^+ + \pi^0$  decay differs significantly from the phase curve  $\phi(T_0)$ . The value  $\alpha = -8.2^{+1.3}_{-0.9}$  was obtained for the coefficient  $\alpha$  in the linear approximation  $dW(T_0)/d\phi(T_0) = 1 + \alpha T_0/M_{K^0}$ , which is also in good agreement with the  $|\Delta I| = 1/2$  selection rule. Assuming the existence of a  $\sigma$ -dipion resonance, the following values are obtained for its mass and width:  $M_\sigma = (350 \pm 10)$  MeV and  $\Gamma_\sigma = (75 \pm 15)$  MeV. In conclusion, the authors consider it their pleasant duty to thank B. M. Pontecorvo [Pontecorvo] for fruitful discussions and constant interest in the work; V. I. Veksler, I. V. Chuvilo and the entire staff of the proton-synchrotron, who assured the execution of the experiment; and E. L. Andronikashvili, V. P. Dzhelepov, and Z. Sh. Mandzhavidse for assistance in the work. Authors also extend their thanks to the group of laboratory technicians and mechanics consisting of N. I. Grafov, L. Goncharov, P. Zhabin, L. Lyubimov, D. Sverdlin, V. Smirnov, V. Stepanov, L. Filatov, and L. Filippov, and the students O. Dumbrayts and V. Novikov for performing the calculations. Orig. art. has: 10 figures, 4 tables, and 1 formula.

SUB CODE: 182/ SUBM DATE: 30Mar65 / ORIG REF: 007 / OTH REF: 021

Card

2/2

DONCHEV, Stefan, dots. inzh.; KASABOV, Ivan, inzh.; ANGELIEV, Vasil,  
inzh.; VARDEV, Petko, inzh.

Spray drying and utilization as pigment of the softening  
installation sludge in thermoelectric power plants in the  
rubber industry. Tekhnika Bulg 13 no. 2: 20-22 '64.

L 10325-66

ACC NR: AP6003358

SOURCE CODE: HU/0018/65/017/002/0220/0222

AUTHOR: Vardi, Pal--Bardi, P; Szanyi, Laszlo--Sani, L.

ORG: II. Gynecological Clinic, Medical University of Budapest (Budapesti Orvostudományi Egyetem II. sz. Noi Klinikaja)

TITLE: Perfusion pump with a pulsator mechanism

SOURCE: Kiserletes Orvostudomány, v. 17, no. 2, 1965, 220-222

TOPIC TAGS: pump, surgery, surgical equipment

ABSTRACT: The perfusion pump designed by Sewell and Glenn has been modified by the authors. In its modified form, all parts of the pump in contact with the blood are made of a low-density polyethylene. The valves are intraluminal, pocketed valves and are also made of polyethylene. The author thanks Engr.-Chemist Emma Tarczy for the valuable advice. Orig. art. has: 2 figures. [JPRS]

SUB CODE: 06 / SUBM DATE: 17Jun64 / ORIG REF: 001 / OTH REF: 002

Card 1/1

VARDEV, St.

Postbulbar localization of duodenal ulcer. Khirurgiia (Sofia)  
16 no.12:1121-1123 '63.

1. Okruzhna bolnitsa "D-r. Racho Angelov", Sofia. Gl.lekar  
Kotsev.

\*

VARDEVANYAN, L.G., aspirant

Effectiveness of feeding whole milk substitutes to calves.  
Zhivotnovodstvo 21 no.7:73-75 Je '59. (MIRA 12:9)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut zhivotnovodstva.  
(Calves--Feeding and feeds)

VARDEVANYAN, L. G., Cand Agric Sci (diss) -- "Substitutes for whole milk in raising calves". Moscow, 1960. 17 pp (All-Union Sci Res Inst of Animal Husbandry, Dept of Feeding Agric Animals), 150 copies (KL, No 15, 1960, 137)

VANDI P.

Inst. für Ernährungswissenschaft., Budapest. \* Zusammenhang zwischen Eiweißstoffwechsel und Stickstoffgehalt im Harn. \* Relationship between protein metabolism and urinary nitrogen ACTA PHYSIOG. ACAD. SCIINT. 1969. (Budapest) 1969, 64-65. (65-66)

SO: EXCERPTA MEDICA Section II Vol 7 N. 12

VARDI, P.; BEDO, M.

Use of index method for determination of actual digestibility.  
Acta physiol. hung. Suppl. no.6:85-86 1954.

1. Institut fur Ernährungswissenschaft, Budapest.  
(GASTROINTESTINAL SYSTEM  
digestion, determ., index method)

VARDI, P.

Studies on protein metabolism. I. Correlation between dietary protein and stored protein as determined on the basis of changes of urinary nitrogen. Acta physiol. hung. 6 no.2-3:313-320 1954.

1. Institute of Nutritional Science, Budapest.

(NITROGEN, in urine

eff. of protein-free diet in rats)

(DIETS, exper.

protein-free, eff. on urinary nitrogen in rats)

(URINE

nitrogen, eff. of protein-free diets in rats)

*Vardi, Pal*

FEKETE, Laszlo; KOPACZY, Istvan; VARDI, Pal

Effect of tryptophan and lysine poor diet on nitrogen metabolism,  
on its distribution in tissue and on synthesis of serum proteins.  
Kiserletes orvostud. 6 no.3:253-259 May 54.

1. Elelmезestudományi Intezet.

(TRYPTOPHAN, deficiency,

eff. blood proteins & nitrogen metab. in dogs, lysine &  
tryptophan defic. diet)

(LYSINE, deficiency,

eff. on blood proteins & nitrogen metab. in dogs, lysine &  
tryptophan defic. diet)

(BLOOD PROTEINS,

eff. of lysine & tryptophan defic. diet in dogs, lysine &  
tryptophan defic. diet)

(NITROGEN, metabolism,

eff. of lysine & tryptophan defic. diet in dogs)

**"APPROVED FOR RELEASE: 08/09/2001**

**CIA-RDP86-00513R001858610011-0**

**APPROVED FOR RELEASE: 08/09/2001**

**CIA-RDP86-00513R001858610011-0"**

VARDI, Pal; TATAR, Istvanne

Studies on protein metabolism. I. Relation between protein content to diet and saturation condition of stored protein of the organism based on the changes of nitrogen content in the urine. Kiserletes orvostud. 6 no.6:481-487 Nov 54.

1. Elelmezestudományi Intezeté.

(NITROGEN, in urine

eff. of protein-free diet in rats)

(DIETS, exper.

protein-free, eff. on nitrogen in urine)

(URINE

nitrogen, eff. of protein-free diets in rats)

VARDI, P.

Use of triphenyltetrazolium chloride for determination of total live cells in food-stuffs. p. 380. Vol 9, no. 9, Oct. 1955. ELEMZESI IPAR. Budapest, Hungary.

So: Eastern European Accession. Vol 5, no. 4, April 1956

VARDI, P.

TECHNOLOGY

Periodical: YEARBOOK Budapest 1956/57 (published 1958)

VARDI, P, Changes in the digestibility of casein imposed by different carbohydrates. p. 22.

Monthly List of East European Accessions (EEAI) IC, Vol. 6, No. 5,  
May 1959, Unclass.

Obstetrics and Gynecology

HUNGARY

VERDI, Pal, Dr, VISY, Maria, Dr; Medical University of Budapest, II. Gynecological Clinic (director: ZOLTAN, Imre, Dr) (Budapesti Orvostudományi Egyetem, II. Noi Klinika).

"The Provision of a Fetal Type of Blood Circulation and Gas Exchange in Human Fetuses Outside of the Maternal Organism."

Budapest, Orvosi Hetilap, Vol 107, No 43, 23 Oct 66, pages 2027-2028.

Abstract: [Authors' Hungarian summary] The possibilities of maintenance of a fetal type circulation outside of the maternal organism are discussed. The authors' own experiences are described in the course of which 6 human fetuses of 250-500 g weight, obtained from spontaneous abortions, were kept alive for 25-60 minutes by means of an oxygenator inserted between the umbilical artery and vein. The perfusion was arranged in such a manner that aspiration of the fluid by the fetuses could not take place in case of their eventual breathing. In this manner, the fetal type of circulation of an additional two fetuses was transformed to one of pulmonary type. 2 Hungarian, 9 Western references.

HUTTL, T.; VARDI, P.

Experimental and clinical research with a wound-dusting powder containing stabilized trypsin. Acta chir Acad Sci Hung 1 no.4: 365-373 '60.

1. I. Chirurgische Klinik (Direktor: Prof. Dr.Dr.h.c.E.Hedri)  
und II. Frauenklinik (Direktor: Prof. Dr. i.Zoltan) Der Medizinischen Universität, Budapest.  
(TRYPSINS pharmacol)  
(WCUND HEALING pharmacol)

HUTLL, Tivadar, dr.; VARDI, Pal, dr.

Experience with a trypsin-containing wound-healing powder for prolonged activity. Orv.hetil. 102 no.2:64-65 8 Ja '61.

1. Budapesti Orvostudományi Egyetem, I. Sebészeti Klinika és II. Noi Klinika.

(WOUND HEALING)  
(TRYPSINS ther)

HUTTL, T.dr.; VARDI, P., dr.

The clinical value of trypsin as a wound-powder. Ther. Hung.  
11 no.3:30-32 '63.

1. First Department of Surgery and Second Department of Gynaecology, Medical University of Budapest.

\*

VARDIKYAN, S. A.

Vardikyan, S. A. "New pests of wild fruit trees in Armenia from measuring-worm moths (Geometridae, Lepidoptera)", Doklady (Akad. nauk Arm. SSR), Vol. X, No. 3, 1949, p. 137-41, (Resume in Armenian).

SO: U-4630, 16 Sept. 53, (Letopis 'Zhurnal 'nykh Statey, No. 23, 1949).

VARDIKYAN S.A.

Injurious measuring worms (Lepidoptera, Geometridae) in the middle  
Aras Valley, Izv.AN Arm.SSR.Biol.i sel'khoz.nauki 7 no.1:91-99  
Ja '54. (MLRA 9:8)

1. Zoologicheskii institut AN Arm. SSR.  
(Aras Valley--Measuring worms)

VARDIKYAN, S.A.  
VARDIKYAN, S.A.

Description of a new measuring worm moth species of the genus *Eupithecia* Curt. (Lepidoptera, Geometridae) found in the Armenian SSR.  
Dokl. AN Arm.SSR 18 no.3:93-95 '54. (MIRA 8:3)

1. Zoologicheskiy institut Akademii nauk Armyanskoy SSR.  
(Armenia--Moths)

VARDIKYAN, S.A.

Identification plates of genitalia of some geometrid Moths  
(Lepidoptera, Geometridae) of southern Transcaucasia. Ent.obez.  
34:252-274 '55. (MLRA 9:5)  
(Transcaucasia--Moths)

VARDIKYAN, S.A.

Geometrid moths of the upper course of the Aras Valley. Zool.Sbor.  
no.9:5-20 '56. (MLRA 9:8)

(Aras Valley--Moths)

USSR/General and Special Zoology - Insects.

P-6

Abs Jour : Ref Zhur - Biol., No 5, 1958, 20992

Author : Vardikyan, S.A.

Inst : -

Title : A New Species of Measuring Worm Moth of the Genus Dyscia  
Hbn (Lepidoptera, Geometridae) from the Armenian SSR.

Orig Pub : Dokl. AN ArmSSR, 1957, 24, No 3, 135-139

Abstract : A description and drawings (total and of the sex apparatus  
only) of a new species of measuring worm moth D. Rjabovi  
(Nakhichevan ASSR) were given.

Card 1/1

- 3 -

USSR / General and Specialized Zoology. Insects. Systematics and Fauna. P

Abs Jour : Ref Zhur - Biol., No 18, 1958, No. 82855

Author : Vardikyan, S. A.

Inst : AS ArmSSR

Title : A New Species of the Measuring Worm of the Genus  
Ortholitha Hb. (Lepidoptera, Geometridae) from the  
Armenian SSR

Orig Pub : Aykakan SSR Gitutyunneri Akademia, Zekuytsner, Dokl. AN  
ArmSSR, 1957, 25, No 5, 281-283

Abstract : No abstract given

Card 1/1

VARDIKYAN, S.A.

New measuring worm moths of the genus *Eupithecia* Curt.  
(Lepidoptera, Geometridae) from Armenia. Dokl. AN Arm SSR 32  
no. 1: 61-64 '61. (MIRA 14:3)

1. Zoologicheskii institut Akademii nauk Armyanskoy SSR.  
Predstavleno akademikom AN Armyanskoy SSR V.O. Gulkanyanov.  
(Armenia—Measuring worms)

VARDIKYAN, S.A.

New species of measuring worms (Lepidoptera, Geometridae) in  
Armenia. Izv. AN Arm. SSR. Biol.nauki 17 no. 1:91-93 Ja '64.  
(MIRA 17:7)

1. Zoologicheskiy institut AN Armyanskoy SSR.

RYABOV, M.A. [deceased]; VARDIKYAN, S.A.

Caucasian species of the genus Gnophos Tr. (Lepidoptera, Geometridae).  
Zool. sbor. no.13:105-149 '64 (MIRA 18:2)

VARDIMIADI, N. D., Cand Med Sci -- (diss) "Influence of training in physical exercise on the latent period of motor response in the human being." Stalino, 1960. 19 pp; (Stalino State Medical Inst im A. M. Gor'kiy); 220 copies; price not given; (KL, 29-60, 127)

VARDIN, G.D.; SAVEL'YEV, I.A.

[Experience of the stakhanovite workers of the Dzerzhinskii Plant]  
Opyt stakhanovskogo kollektiva zavoda im.Dzerzhinskogo. Moskva, Gos.  
nauchno-tekhn. izd-vo neftianoi i gorno-toplivnoi lit-ry, 1953.  
75 p. (MLRA 7:2)

(Machine-shop practice) (Petroleum industry--Equipment and  
supplies)

VARDIN, G. D. and SAVEL'YEV, I. A.

"Tests Made at the Stakhanovite Dzerzhinskiy Plant," (Opyt stakhanovskogo kollektiva zavoda im. Dzerzhinskogo), Gosudarstvennoye nauchno-tekhnicheskoye izdatel'stvo neftyanoy i gorno-toplivnoy literatury (State Scientific and Technical Publishing House for Petroleum and Mined Fuel Literature), Moscow-Leningrad, 1953.

Excerpts - translated D 181976, 16 Mar 55

VARDIN, GRIGORIY DMITRIYEVICH

VARDIN, Grigoriy Dmitriyevich; KANEVTSOV, Valeriy Mikhaylovich, kandidat  
tekhnicheskikh nauk; ARVAN, Getsel' Kalmanovich; PASTUKHOV,  
Nikolay Semenovich, inzhener

[Device for machining body parts on vertical turning lathe. New chuck  
for gripping conical surfaces. Device for cutting elastic washers  
on lathes. Work practices with multispindle automatic lathes]  
Povorotnoe prispособlenie dlia obrabotki korpusnykh detalei na  
karusel'nykh stankakh. Novyi patron dlia zazhima konicheskikh  
poverkhnostei. Prispособlenie dlia rubki pruzhiniaschikh shayb  
na tokarnom stanke. Opyt raboty na mnogoshpindel'nykh tokarnykh  
avtomatakh. Moskva, 1956. 13 p. (Peredovoi proizvodstvenno-  
tekhnicheskii opyt. Ser.10, Tokarnye raboty. No.T-56-150/4)

(MLHA 10:9)

1. Moscow. Institut tekhniko-ekonomicheskoy informatsii  
(Machine tools--Attachments)

VARDIN, Grigoriy Dmitriyevich,; STEPANCHENKO, N.I., ved. red.; MUKHINA,  
E.A., tekhn. red.

[New technology and organization of the production of gate  
valves] Novaya tekhnologiya i organizatsiya proizvodstva  
zadvizhek. Moskva, Gos. nauchno-tekhn. izd-vo neft. i gorno-toplivnoi  
lit-ry, 1958. 55 p. (MIRA 11:12)

(Valves)

BRAKIN, S.S., dots.; VARDISHVILI, N.I., starshiy laborant

Measures for increasing the fertility of dark Chestnut  
soils along the Black Sea in Odessa Province. Na dopom.  
sil'.hosp.ta vyr. no.5:45-47 '58. (MIRA 13:3)

1. Kafedra mineralogii i petrografii Odenskogo gosuniversiteta.  
(Odessa Province--Soil fertility)

VARDISHVILI, Ya.

Pulse

Cortical regulation of cardiac activity during warming up. Teor. i prak. fizkul.  
ly No. 1, 1953.

Monthly List of Russian Accessions, Library of Congress, June 1953. Uncl.

YARDIYEV, V.

R 500-Sh-8 rotary table. Nev.neft.tekh.:Bur.no.7:1-2 '48.  
(Oil well drilling--Equipment and supplies) (MLRA 9:4)

VARDIYEV, V.

Bold utilization of technological potentialities. Nev.noft.

tekh.:Bur. no.3:4;7 '48.

(MLRA 9:4)

(Oil well drilling)

**VARDIYEV, V.**

~~XXXXXXXXXXXXXXXXXXXX~~  
Hoisting hook. Nev.neft.tekh.:Bur. no.7:4-5 '48. (MLRA 9:4)  
(Oil well drilling--Equipment and supplies)

VARDIYEV, V.

AYB-3-100 drilling rig. Nev.neft.tekh.:Bur. no.7:6-7 '48.  
(Oil well drilling--Equipment and supplies) (MLRA 9:4)

VARDIYEV, V.

AVB-5 drilling rig. Nev.neft.tekh.:Bur.no.7:7 '48.(MLRA 9:4)  
(Oil well drilling--Equipment and supplies)

VARDIYEV, V.

New TsA-1.1/150 cementing apparatus. Nev.neft.tekh.:Bur.no.7:8  
'48. (Oil well drilling--Equipment and supplies) (MLRA 9:4)

VARDIYEV, V.

In the scientific and technological council of the Ministry of the  
Petroleum Industry of the U.S.S.R. Neft.khoz. 35 no.2:71-72 F '57.  
(Oil wells) (Petroleum engineering) (MLRA 10:3)

VARDIYEV, V.D.; VANNIKOV, N.V.; TAUMIN, I.M.; SMIRNOV, A.P.; LISICHKIN, S.M., doktor ekonom.nauk, red.; RYBAK, B.M., dotsent, kand.tekhn. nauk, red.

[Petroleum industry of capitalist countries] Neftianais promyshlennost' kapitalisticheskikh stran. Pod obshchei red. S.M.Lisichkina i B.M.Rybak. Moskva, Gos.nauchno-issl.in-t nauchn.i tekhn.informatsii. Vol.1 [Petroleum production in the United States] Nefte-dobyvaiushchais promyshlennost' SSHA. 1958. 187 p.

(MIRA 13:11)

(United States--Oil fields--Production methods)

VARDIYEV, V.D.

Soviet exhibition in Brazil. Neftianik 7 no.6:16-18 Je '62.  
(MIRA 15:8)  
(Rio de Janeiro--Exhibitions)

VARDIYEV, V.D.

Problems of prospecting and developing oil pools in fractured  
reservoir rocks will be solved. Geol. nefiti i gaza 8 no.4:  
57-59 Ap '64. (MIRA 17:6)

VARDIYEV, V.D.

The deepest well in the Soviet Union. Neft. khoz. 42 no. 3;  
52-57 Mr '64. (MIRA 17:7)

DNEPROVSKIY, Stepan Petrovich; KAZARIN, F.V.; VARDIYEVA, K.I.

[A collection of problems for a course in financing and crediting  
of consumers' cooperatives] Sbornik zadach po kursu finansirovaniia  
i kreditovaniia potrebitel'skoi kooperatsii. Pod red. S.P.Dneprov-  
skogo. Moskva, TSentrsoiuz, 1955. 91 p. (MIRA 10:11)  
(Cooperative societies--Finance)

VARDIYEVA, Kseniya Ivanovna; KOTLIKOVA, Sofiya Veniaminovna;  
GURVICH, P.G., red.

[Financing and issuing credit to consumers' cooperatives]  
Finansirovanie i kreditovanie potrebitel'skoi kooperatsii.  
Moskva, Ekonomika, 1965. 170 p. (MIRA 18:4)

VARDIZH, V.V.; PEREKATOV, V.I.,

[Fluxor as an element of memory devices] Fliuksor kak element zapominaiushchikh ustroistv. Moskva, In-t tochnoi mekhaniki i vychislitel'noi tekhniki Akad. nauk SSSR, 1962. 47 p. (MIRA 16:4)

(Electronic computers--Memory systems)

VARDJAN, Miran

Germination of the seed of *Centiana lutea* subsp. *symphyandra*  
Murb. Biol inst 12:5-10 '64.

1. Biologic Institute of the University of Ljubljana, Ljubljana.  
Submitted July 31, 1964.

VARDJAN, Velimir, dipl. ec.

Prospects of the Yugoslav mushroom market. Nova proizvod 14  
no.2:94-108 My '63.

VARDJAN, Velimir, dipl. ekonomist (Ljubljana)

Industry of concrete elements and prefabricated units in  
Yugoslavia and all over the world. Nova proizvodnja no.5:  
338-344 0 '64.

VOROSHILOV, A.P.; ~~VARDOMSKAYA~~, T.N., nauchnyy sotrudnik

Peat briquetting plant using exhaust gases from gas turbines.  
Torf. prom. 35 no. 4:29 '58. (MIRA 11:7)

1. Vsesoyuznyy teploekhnicheskiy institut im. F. Dzerzhinskogo.
2. Zaveduyushchiy sushil'noy laboratoriyey (for Voroshilov)  
(Peat--Drying)

VARDOMSKIY, E.K., inzh.; GUREVICH, E.Z., inzh.

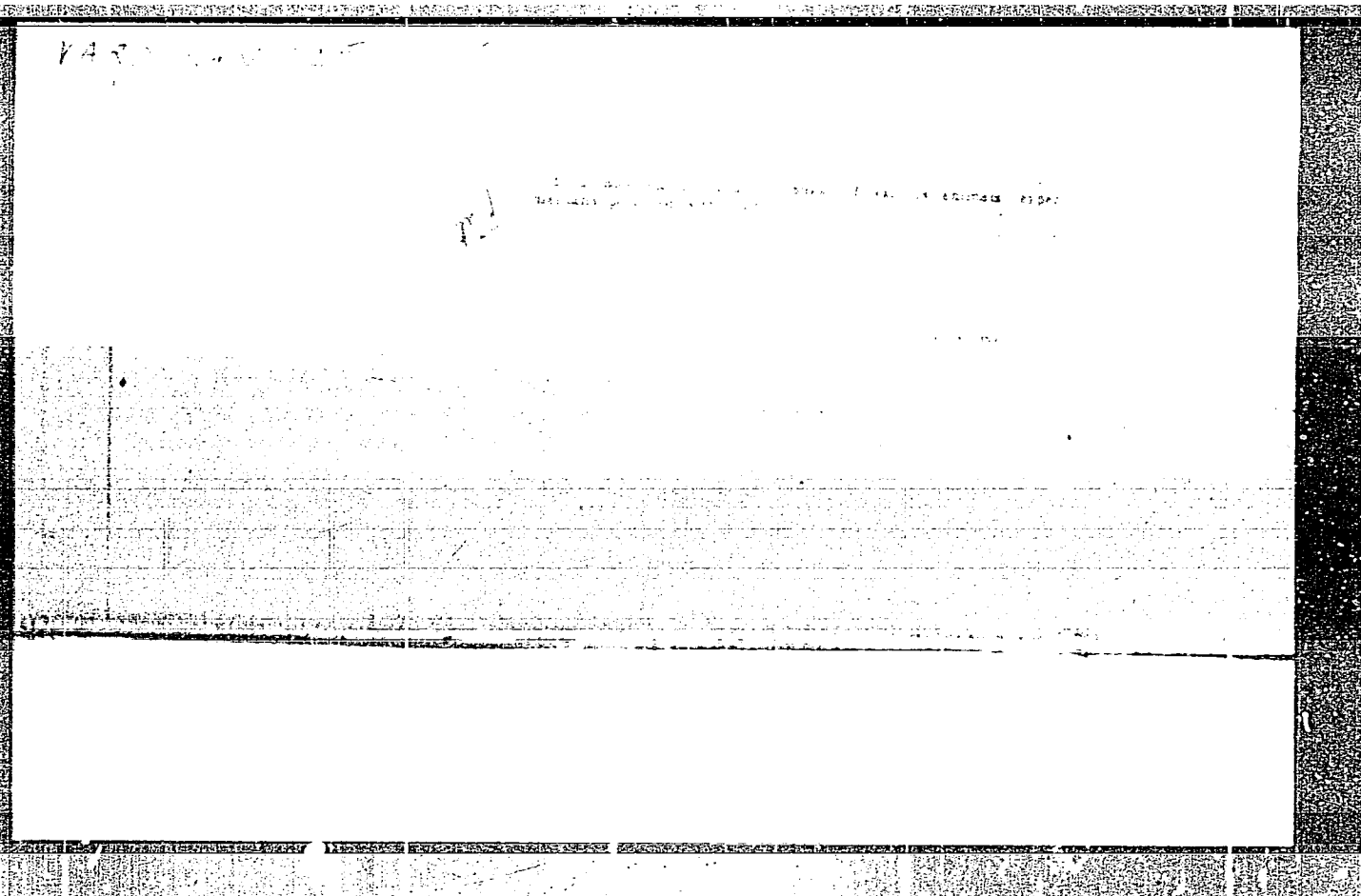
Improvement in the design of a leveling container. Elek.sta. 31  
no.6:36-38 Je '60. (MIRA 13:7)  
(Boilers) (Liquid level indicators)

Country : USSR 0  
Category : Plant Diseases. Diseases of Cultivated Plants.  
Abs Jour. : Ref. Zhur.-Biologiya No. 11, 1958. No. 49214.  
Author : Vardosanidze, B.; Gvritishvili, S.  
Institute : Georgian Agricultural Institute  
Title : Corn Diseases in Georgia

Orig. Pub.: Tr. Gruz. s.-kh. in-ta, 1957, 46, 359-380

Abstract : No abstract

Card: 1/1



VARDOSANIDZE D.G.

Country : USSR

Category : Farm Animals.  
Cattle.

Abs. Jour : Ref Zhur-Biol., No 16, 1958, 74061 Q-2

Author : Vardosanidze, D. G.; Chumburidze, S. I.

Institut. : Georgian Zootechnical Veterinary Institute.

Title : Biochemical Blood Indicators in Female Milch Buffaloes Kept in Stall-Pasture Conditions.

Orig. Pub. : Materialy 12-y Nauchn. konferentsii, posvyashchen. 25-letiyu Gruz. Zootekh.-vet. inta.\*

Abstract : The blood of milch female buffaloes which were kept in stall-pasture conditions contained (in percent): 7.32 of general protein, 4.45 of albumin, 2.56 of globulin, and 0.31 of fibrinogen. For female buffaloes kept in pasture conditions the corresponding figures were 6.12; 3.65; 2.23 and 0.26.

Card: 1/1

\*Tbilisi, 1957, 43-44

BORISOVICH, Yu.F.; VARDOSANIDZE, D.G.; TIKHONOV, P.; LOVERETSKAYA, YE.K.;  
MORAULEV, M.T.

Throughout the Soviet Union. Veterinariia 36 no.7:92-94  
J1 '59. (MIRA 12:10)  
(Veterinary medicine)

VARDOSANIDZE, D. G.

"The albumen form and protrombin in the blood plasma during hepatitis and osteomalacia."

Veterinariya, Vol. 37, No. 2, 1960, p. 62

(VARDOSANIDZE, D. G.) - Dotsent, Georgian Zooveterinary Inst.

VARDOSANIDZE, D. G.

Doc Biol Sci - (diss) "Proteins and basic indices of protein metabolism in the blood of buffaloes, cows, horses, sheep, and swine in the normal state and during several disorders." Leningrad, 1961. 21 pp; (Ministry of Agriculture RSFSR, Leningrad State Veterinary Inst); 200 copies; price not given; (KL, 7-61 sup, 226)

YEPIFANOV, G.F.; VARDOSANIDZE, D.G.; ALIVERDIYEV, A.A.; GUL'YEV, P.K.

Information and brief news. Veterinariia 38 no.7:95-96  
Jl '61. (MIRA 16:8)

(Veterinary medicine)

SHUBLADZE, A.K.; VARDOSANIDZE, E.Sh.

Hemagglutination properties of certain neurotropic viruses. Zhur.  
mikrobiol. epid. i immun. no.10:62-69 0 '54. (MLRA 8:1)

1. Iz Instituta virusologii imeni D.I.Ivanovskogo AMN SSSR (dir.  
prof. P.N.Kozyakov)

(HEMAGGLUTINATION

by viruses, neurotropic)

(VIRUSES,

neurotropic, hemagglut.)

**VARDOSANIDZE, E.Sh.**

Hemagglutination and hemagglutination retardation reaction with  
Newcastle disease and mumps viruses. Zhur. mikrobiol. epid. i  
immun. no.10:70-73 O '54. (MLRA 8:1)

(VIRUSES,

chicken-plague & mumps viruses, hemagglut. & hemagglut.  
inhib. reactions)

(HEMAGGLUTINATION,

by chicken-plague & mumps viruses)

(MUMPS, viruses,

hemagglut. reactions)

VARDOSANIDZE, E.Sh.

Specificity of the hemagglutination reaction with neurotropic viruses.  
Vop.virus 3 no.4:230-233 JI-Ag '58 (MIRA 11:9)

1. Institut virusologii imeni D.I. Ivanovskogo AMN SSSR, Moskva.  
(ENCEPHALITIS, PEIDMEIC, immunology  
hemagglut. reaction, specificity (Rus))  
(ENCEPHALITIS, JAPANESE, B., immunology  
same (Rus))  
(HEMAGGLUTINATION, in var. dis.  
encephalitis, specificity (Rus))

VARDOSANIDZE, E. Sh.; IRLIN, I.S.

Fluorescence microscope study of polyoma virus antigen in  
transformed culture of hamster embryonal tissue. Vop. virus  
8 no.5:556-558 S-0'63 (MIRA 17:1)

1. Institut onkologii Ministerstva zdravookhraneniya Gruzins-  
skoy SSR, Tbilisi i otdel immunologii i onkologii Instituta  
epidemiologii i mikrobiologii imeni N.F. Gamalei, AMN SSSR,  
Moskva.

VARDOSANIDZE, L.G. (Samtredia)

Following the example of Barabinsk railroaders. Zhel. dor.  
transp. 46 no.9:68-70 S '64.

1. Nachal'nik Samtredskogo otdeleniya Zakavkazskoy dorogi.

37402

S/062/62/000/005/004/008

B110/B101

5.3700

AUTHORS: Andrianov, K. A., Pichkhadze, Sh. V., Komarova, V. V., and Vardosanidze, Ts. N.

TITLE: The reaction of organocyclosiloxanes with butyl orthotitanate

PERIODICAL: Akta miya nauk SSSR. Izvestiya. Otdeleniye khimicheskikh nauk, no. 5, 1962, 833 - 837

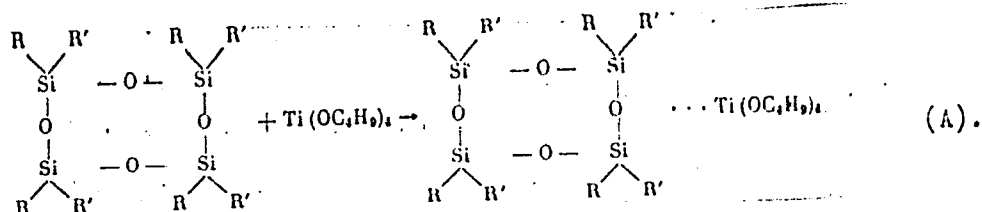
TEXT: The reaction of butyl orthotitanate with octamethyl cyclotetrasiloxane, tetramethyl tetravinyl cyclotetrasiloxane, and octaethyl cyclotetrasiloxane were examined. In the reaction of octamethyl cyclotetrasiloxane with butyl orthotitanate (5:1, 3:1), only two molecules of the cycle react with one molecule of butyl orthotitanate to form the following products: dimethyl dibutoxysilane ( $n_D^{20} = 1.4055$ ), 1,3-dibutoxytetramethyl disiloxane ( $d_4^{20} = 0.8700$ ;  $n_D^{20} = 1.4040$ ), 1,5-dibutoxyhexamethyl trisiloxane (b.p.  $96^\circ\text{C}/4$  mm Hg;  $n_D^{20} = 1.4031$ ;  $d_4^{20} = 0.8960$ ), 1,7-dibutoxyoctamethyl tetrasiloxane (b.p.  $118^\circ\text{C}/4$  mm Hg;  $n_D^{20} = 1.4049$ ;  $d_4^{20} = 0.9060$ ), and a

Card 1/4

S/062/62/000/005/004/008  
B110/B101

The reaction of organocyclosiloxanes ...

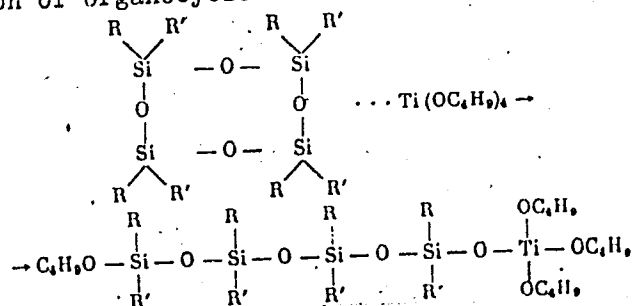
polymer of a chemically constant composition and the atomic ratio Si:Ti = 1:1. At 3:1 and 5:1 ratios of the initial components almost equal yields were obtained; however, at a 5:1 ratio, the part of non-reacting octamethyl cyclotetrasiloxane rose. At a 1:1 ratio, the yield of dimethyl dibutoxysilane, 1,3-dibutoxytetramethyl disiloxane, and of the polymer rose significantly. The polymers were readily soluble in benzene and toluene and had a vitrification temperature of  $\sim 100^{\circ}\text{C}$ . The formation of ethers and polymers is explained by disproportionation of the initial reaction products. Coordination of one of the oxygen atoms of organocyclosiloxane with the titanium atom of butyl orthotitanate takes place first:



The SiO bond in the cycle is thereby weakened, opens, and 1-butoxy-4-tri-butoxyoctaalkyl tetrasiloxane is formed:  
Card 2/4

S/062/62/000/005/004/006  
B110/B101

The reaction of organocyclosiloxanes ...



(B).

The latter is disproportioned to dialkyl dibutoxysilane, 1,3-dibutoxy-tetraalkyl disiloxane, and the polymer. The following succession holds for the reactivity of organosiloxanes with butyl orthotitanate:  $[(CH_3)_2SiO]_3 \gg [(CH_3)_2SiO]_4 > [CH_3(CH_2=CH)SiO]_4 > [(C_2H_5)_2SiO]_4$ . The large organic radicals are steric hindrances making the reaction difficult. Disiloxane ethers are easy to prepare in the manner described. There are 2 figures and 4 tables.

Card 3/4

The reaction of organocyclosiloxanes ... S/062/62/000/005/004/008  
B110/B101

ASSOCIATION: Institut elementoorganicheskikh soedineniy Akademii nauk  
SSSR (Institute of Elemental Organic Compounds of the Academy  
of Sciences USSR)

SUBMITTED: December 3, 1961

Card 4/4

NOGAYDELI, A.I.; VARDOSANIDZE, TS.N.

Synthesis and catalytic hydrogenation of 5-(1-hydroxycyclohexyl)  
-4,3-dimethyl-4-heptyn-3-ol and its acetates. Zhur.ob.khim.  
33 no.2:379-381 F '63. (MIRA 16:2)

1. Tbilisskiy gosudarstvennyy universitet.  
(Heptynol) (Cyclohexyl group) (Hydrogenation)

ANDRIANOV, K.A.; PICHKHADZE, Sh.V.; NOGAIDELI, A.I.; VARDOSANIDZE, TS.H.

Poly-bis-(8-hydroxyquinoline)-titanomethylphenylsiloxanes.  
Soob. AN Gruz. SSR 33 no.3:557-564 Mr '64 (MIRA 17:8)

1. Institut khimii imeni P.G. Melikishvili AN GruzSSR i Institut elementoorganicheskikh soyedineniy AN SSSR. Predstavleno akademikom G.V. TSitsishvili. 2. Chlen-korrespondent AN SSSR (for Andrianov).

L 41226-66 EWT(m)/T/EWP(j) IJP(c) RIA

ACC NR: AP6023432

SOURCE CODE: UR/0190/66/008/007/1252/1256

AUTHOR: Andrianov, K. A.; Vardosanidze, Ts. N.; Nogaydeli, A. I.; Yakushkina, S. Ye.

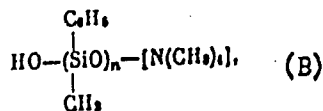
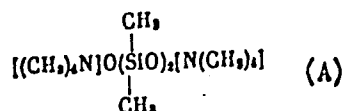
ORG: Institute of Hetero-organic Compounds, AN SSSR (Institut elementoorganicheskikh soyedineniy AN SSSR)

TITLE: Polymerization of methylphenylcyclsiloxanes

SOURCE: Vysokomolekulyarnyye soyedineniya, v. 8, no. 7, 1966, 1252-1256

TOPIC TAGS: siloxane, organosilicon compound, polymerization catalyst, catalytic polymerization

ABSTRACT: In a study of the polymerization of organocyclsiloxanes in reactions of anionic polymerization, the polymerization of tetramethyltetraphenylcyclotetrasiloxane (I) and trimethyltriphenylcyclotrisiloxane (II) in the presence of various catalytic systems was investigated. Special catalysts having the formulas



where  $n = 8, 11, 15$ , were synthesized. In the presence of (A), the polymerization of

Card 1/2

UDC: 66.095.26+678.84

L 41226-66

ACC NR: AP6023432

(I) is slow and reaches equilibrium without any appreciable increase in the viscosity of the system. The polymerization of isomers of (II) is also slow. The cis isomer of (II) was found to be more active than the trans isomer and (I) in the polymerization reaction. This is attributed to the greater accessibility of siloxane bonds to attack by a nucleophilic reagent, whereas in the trans isomer all the Si-O bonds are screened by phenyl groups. Orig. art. has: 1 figure and 1 table.

SUB CODE: 07/ SUBM DATE: 25Jun65/ ORIG REF: 002/ OTH REF: 003

Card 2/2 *MLP*

ACC NR: AP7004762

SOURCE CODE: UR/0413/67/000/001/0074/0074

INVENTOR: Andrianov, K. A.; Yakushkina, S. Ye.; Vardosanidze, Ts. N.

ORG: none

TITLE: Preparative method for straight-chain high molecular weight organosilicon elastomers. Class 39, No. 190022 [announced by Institute of Heteroorganic Compounds, AN SSSR (Institut elementoorganicheskikh soedineniy AN SSSR)]

SOURCE: Izobreteniya, promyshlennyye obratzysy, tovarnyye znaki, no. 1, 1967, 74

TOPIC TAGS: elastomer, silicone, polysiloxane, heat resistant material, organo-silicon compound, organotitanium compound

ABSTRACT: An Author Certificate has been issued for a preparative method for straight-chain high-molecular-weight organosilicon elastomers. The method involves polymerization of alkylarylcyclosiloxanes in the presence of alkali hydroxide catalysts. To produce elastomers with enhanced heat resistance, the starting material used is a mixture of arylalkylcyclosiloxanes with tris[(trimethylsiloxy)polydimethylsiloxano](8-quinolinolato)titanium or with (dimethylsiloxano)bis(8-quinolinolato)titanium. [SM]

SUB CODE: 11, 07/ SUBM DATE: 07Jun65/

Card 1/1

UDC: 678.84

USHANOV, V.F.; POZDNYAKOV, A.A.; VARDUGIN, A.V.; CHERMENIN, B.I.,  
student III kursa

Changes in the physicochemical properties of the wood of  
Siberian larch during compression. Trudy STI 34:48-55 '63.  
(MIRA 17:2)

VARDUMYAN, D. S.

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